



IMPERIAL IRRIGATION DISTRICT, ORGANIZED IN 1911 AND IN OPERATION CONTINUOUSLY SINCE THAT DATE, PERFORMS THREE CHIEF FUNCTIONS (1) DIVERSION AND DELIVERY OF COLORADO RIVER WATER FOR IRRIGATION AND DOMESTIC PURPOSES; (2) OPERATION AND MAINTENANCE OF DRAINAGE CANALS AND FACILITIES; AND (3) GENERATION, TRANSMISSION AND DISTRIBUTION OF ELECTRIC POWER.

THE IRRIGATION SERVICE AREA LIES ENTIRELY WITHIN IMPERIAL COUNTY AND IS DIVIDED INTO FOUR UNITS: IMPERIAL, WEST MESA, EAST MESA, AND PILOT KNOL. WITH A GROSS ACREAGE OF 1,091,137 ACRES, THE TOTAL AREA OF THE IMPERIAL UNIT IS 694,346 ACRES, OF WHICH 459,350 ACRES WERE IN CROPS IN 1962.

THE DISTRICT OPERATES AND MAINTAINS THE HEADWORKS AND DESLTING

**GENERAL INFORMATION - 1993**

BASED AT IMPERIAL DAM, THE ALL-AMERICAN CANAL, 92 MILES IN LENGTH, 1,580 INCHES OF IRRIGATION CANALS AND LATERALS AND 1,457 MILES OF DRAINS, PROVIDING INDIVIDUAL SERVICE FOR EACH CENSIMENTAL SUBDIVISION.

THE POWER SERVICE INCLUDES ALL OF IMPERIAL COUNTY AND THE ALL-AMERICAN CANAL SERVICE AREA IN COACHELLA VALLEY IN RIVERSIDE COUNTY, WITH A GROSS AREA OF 6,471 SQUARE MILES. IT IS ESTIMATED THAT 38 PERCENT OF ALL PEOPLE RESIDING IN THE AREA RECEIVE ELECTRICAL POWER SERVICE WITHIN 1/4 MILE OF THEIR HOMES. ON DECEMBER 31, 1982, TOTAL KWH SALES FOR 1982 WERE 1,158,988,011. SEVEN HYDRO PLANTS, LOCATED AT DROPS 1, 2, 3, 4, 5, EAST HIGHLINE AND PILOT KNOL, ON THE ALL-AMERICAN CANAL, HAVE AN AGGREGATE CAPACITY OF 94,000 KW. THE EL CENTRO STEAM ELECTRIC STATION HAS AN INSTALLED CAPACITY OF 260,000 KW.

THE BRAKLEY GAS TURBINE HAS AN INSTALLED CAPACITY OF 18,000 KW. THE COACHELLA GAS TURBINE HAS AN INSTALLED CAPACITY OF 80,000 KW. ROCKWOOD GAS TURBINE HAS AN INSTALLED CAPACITY OF 45,000 KW.

THE TRANSMISSION SYSTEM CONSISTS OF 108 MILES OF THE SOUTHWEST POWER LINK 330 KV LINE, 145 MILES OF 230 KV LINES, 765 MILES OF 115 KV LINES AND 347 MILES OF SUBTRANSMISSION LINES.

THERE ARE APPROXIMATELY 3,240 MILES OF DISTRIBUTION LINES AS FOLLOWS: 2,038 MILES IN IMPERIAL VALLEY; 1,202 MILES IN COACHELLA VALLEY; AND 100 MILES IN THE BARD-WINTERHAVEN AREA.

- LEGEND**
- IMPERIAL UNIT (I.I.D.)
  - OTHER UNITS (I.I.D.)
  - OTHER ARABLE AREAS (CALIF.)
  - CANALS
  - REGULATORY RESERVOIRS
  - UNDERGROUND PIPE LINES
  - U.S. INTERSTATE
  - STATE HIGHWAYS
  - MEXICO HIGHWAYS
  - RAILROADS
  - POWER TRANSMISSIONS
  - POWER SERVICE AREA BOUNDARY

IMPERIAL IRRIGATION DISTRICT  
IMPERIAL COUNTY, CALIFORNIA

**GENERAL MAP**

JANUARY, 1994

C. L. SHREVES  
GENERAL MANAGER

SCALE OF MILES

2 1 0 1 2